

Screened control cable

YSLYCY 600



Application: Flexible power, process control and instrumentation cable for industry and machinery environment with specific EMC (electromagnetic compatibility) requirements. The cable is resistant to UV-irradiation, to most commonly used chemicals and to oil and grease. For indoor and outdoor application.

Construction and technical data:

CPR-classification according to EN 50575:	Eca
Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	PVC
Material inner sheath:	PVC
Screen:	tinned copper braid
Screen coverage:	70 %
Sheathing material:	special PVC-compound
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
For outdoor use:	yes
Max. temperature at conductor, °C:	70 °C
Permitted outer cable temperature, fixed, °C:	-40 - +70 °C
Permitted outer cable temperature, moved, °C:	-5 - +70 °C
Bending radius, fixed installation:	5 x Ø
Bending radius, moving application:	10 x Ø
Maximum tensile strength at the conductor:	15 N/mm ²



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

YSLYCY-JZ 600**Nominal voltage U_o:** 0.6 kV**Nominal voltage U:** 1 kV**Test voltage:** 4 kV**Protective conductor:** yes**Core identification:** green-yellow + numbers

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu [kg/km]	G [kg]
032061	03X0.75	26	9.3	57	127
033195	04X0.75	26	10.2	68	151
033196	05X0.75	26	11	79	174
033197	07X0.75	26	12	97	204
033198	12X0.75	26	14.5	169	333
033199	18X0.75	26	17.5	229	446
033741	25X0.75	26	20.7	296	601
033166	03X1	19.5	10	67	147
033167	04X1	19.5	10.7	97	175
033168	05X1	19.5	11.5	108	198
037781	06X1	19.5	11.9	100,5	220
032846	07X1	19.5	12.5	122	245
037782	09X1	19.5	13.9	142,6	295
037783	10X1	19.5	14.3	155,5	319
033169	12X1	19.5	15.7	204	366
033170	18X1	19.5	18	280	516
033171	25X1	19.5	21	369	706
032626	03X1.5	13.3	10.9	87	193
033173	04X1.5	13.3	12.2	104	222
032875	05X1.5	13.3	13	125	256
033174	07X1.5	13.3	14	180	321
034515	09X1.5	13.3	16	224	412
033175	12X1.5	13.3	17	284	507
037440	15X1.5	13.3	19.6	298	612
033176	18X1.5	13.3	21	391	738
033177	25X1.5	13.3	25	521	980
037441	28X1.5	13.3	26	568	1071
036087	33X1.5	13.3	27.3	623	1203
037442	34X1.5	13.3	27.9	674	1238
033179	03X2.5	7.98	13	124	252
033180	04X2.5	7.98	14	170	311
033181	05X2.5	7.98	15.7	204	372
033182	07X2.5	7.98	16.1	268	444
033183	12X2.5	7.98	21.5	423	737
033184	18X2.5	7.98	25.1	572	1061
033185	25X2.5	7.98	30	740	1418
033201	03X4	4.95	15.1	191	352
033202	04X4	4.95	15.8	238	418
033203	05X4	4.95	17.3	303	486
033211	07X4	4.95	19	396	635
033214	03X6	3.3	16	251	440
033204	04X6	3.3	17.7	319	531
033205	05X6	3.3	18.9	421	642
033209	04X10	1.91	21.5	576	817
033210	05X10	1.91	24.1	620	1002
033218	04X16	1.21	26	910	1238
033219	05X16	1.21	27.6	1050	1528

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu [kg/km]	G [kg]
033222	04X25	0.78	31	1169	1856
033223	05X25	0.78	33	1486	2243
033229	04X35	0.554	35	1686	2352
033230	05X35	0.554	40	2023	4950
033226	04X50	0.386	41.1	2374	3367
033227	05X50	0.386	44.6	2890	4163
033232	04X70	0.272	48	3261	4523
033233	05X70	0.272	52.5	4100	9390
033235	04X95	0.206	51.2	4055	5704
033238	04X120	0.161	58.1	5231	7060
033239	04X150	0.129	63.8	6794	15990
033240	04X185	0.106	71	8104	18470

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Nominal voltage U:	1 kV
Test voltage:	4 kV
Protective conductor:	no
Core identification:	numbers

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu [kg/km]	G [kg]
033194	02X0.75	26	8.7	46	109
037840	04X0.75	26	11.4	67	214
033165	02X1	19.5	9	52	129
037841	04X1	19.5	11.8	79	210
037778	06X1	19.5	11.9	100,5	220
037779	09X1	19.5	13.9	142,6	295
037780	10X1	19.5	14.3	155,5	319
033172	02X1.5	13.3	10.5	69	157
033178	02X2.5	7.98	11.5	99	219

RI	Conductor resistance
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000